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REMARKS

Initially, Applicant would like to inform the Examiner that the undersigned attorney has taken over prosecution of the subject application and that a revocation of power of attorney and a new power of attorney will be submitted shortly. Thus, with regard to this communication, the undersigned attorney is acting under 37 CFR §1.34.

Prior to this Amendment, claims 1-25 were pending in the application. In this Amendment, claims 1, 3-9, 11, 12, 14 and 17-19 have been amended, claims 2, 10 and 21-25 have been cancelled, and new claims 26 and 27 have been added. Reconsideration of the application in its current format is hereby requested.

In the final office action, the Examiner rejected claims 1, 5, 8-10, 15, 16, 18-20, under 35 U.S.C. 103(a), as being unpatentable over Applicant's Admitted Prior Art (APA) in view of Pataki (4,741, 947). The Examiner stated that claims 2-4, 6-7, 11-14 and 17 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

In rejecting independent claim 1, the Examiner ostensibly cites the "Background of the Invention" of the Pataki patent as disclosing the curing of an adhesive in a winding by passing current through the winding. Applicant respectfully submits that the Pataki patent does not show what is attributed to it. The only portion of the Background of the Invention that discusses electrical current is the first sentence, which reads:

"In the transformer coil art, a number of methods have been adopted for holding or anchoring the turns of an electrical coil, so that they can resist movement when the turns are subjected to the flow of current and consequent electromagnetic forces tending to move them out of position."

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This passage clearly relates to the movement of a coil in an operating transformer and has nothing to do with the manufacture of the coil or the transformer, let alone with the curing of an adhesive/resin. Neither this passage nor any other passage of the Pataki patent remotely suggests curing an adhesive/resin in an insulating layer of the coil by passing current through the coil. In fact, the Pataki patent teaches away from such curing. In column 7, lines 16-20 the Pataki patent specifically states (with emphasis added):

"The wound coil assembly can then be placed in an oven or other suitable heating means at a temperature and for a time effectively to securely bond and cure the whole assembly."

Thus, the Pataki patent fails to show or suggest:

"curing the adhesive by providing electric power from the power source to the electrical conductor so as to heat the adhesive", as is recited in amended independent claim 1; and

"curing the resin by providing electric power from the power source to the electrically conductive layers so as to heat the resin", as is recited in new independent claim 26.

For at least this reason, Applicant submits that independent claims 1 and 26 and, thus, the claims depending therefrom are patentable over APA and the Pataki patent.

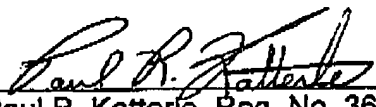
Based on the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is

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invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 050877.

Respectfully submitted,
ABB Research Ltd.

By: 
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